Hitanshu Yogeshkumar Panchal

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EDUCATION

University of Southern California **May 2026**
MASTER OF SCIENCE, COMPUTER SCIENCE (ARTIFICIAL INTELLIGENCE) (GPA: 3.85/4)
- Coursework: Applied Natural Language Processing, Web Technologies, Foundations of AI, Analysis of Algorithms

University of Mumbai **May 2022**
BACHELOR OF TECHNOLOGY, COMPUTER ENGINEERING (GPA: 9.89/10)

PROFESSIONAL EXPERIENCE

FUSION PRACTICES TECHNOLOGIES PVT. LTD | *Software Engineer* **Jul 2022 - Jul 2024**
- Collaborated as part of the IT consulting team for MUFG Group on various Oracle Fusion Applications and automated ERP business processes such as procure-to-pay cycles leveraging BMC Control-M.
- Configured AI apps embedded in Oracle Financials to predict distribution code combination segments for invoices, reducing data-entry tasks and invoice processing time by 75%.
- Integrated Oracle Fusion Data with upstream/downstream applications utilizing SOAP, REST, and FTP adapters, and employed Robotic Process Automation (RPA) bots to streamline daily processes and minimize human error.
- Produced business intelligence reports in Oracle BI Publisher using RTF and Excel Templates to enhance business pattern recognition and streamline workflows, resulting in a 32% reduction in data transfer times across interconnected systems.
- Managed deployment processes and coordinated release builds in collaboration with Operations Management and Project Management teams, utilizing tools such as GitHub, Tortoise SVN, TeamCity, and Micro Focus Development Automation.

VDOIT TECHNOLOGIES PVT. LTD. | *IT Associate* **Sep 2021 - Jan 2022**
- Developed and deployed web and mobile applications for live production using Java Spring Boot, Flutter, and Angular, while overseeing release build cycles, database management configurations, and server monitoring.
- Enhanced user interfaces by incorporating HTML5 and CSS3 standards to improve responsiveness and aesthetic consistency.
- Maintained MongoDB database applications and executed queries to modify collections and documents within the database system.

VDOIT TECHNOLOGIES PVT. LTD. | *Web Development Intern* **Nov 2020 - Feb 2021**
- Engineered distinct endpoints within a collaborative project ecosystem employing NodeJS and Express, while meticulously documenting processes with Postman to streamline workflows for future integrations.
- Optimized API performance by reducing execution time by 20%, thereby enhancing overall system efficiency and response times.

TECHNOLOGIES & SKILLS

- **Programming Languages:** Java, Python, SQL, PL/SQL, JavaScript, C++, C, HTML5, CSS3, Bootstrap, Kotlin, PHP
- **Database Management:** Oracle, MySQL, Google Firebase, PostgreSQL, MongoDB, Redis
- **AI/ML & Data Visualization:** PyTorch, TensorFlow, Numpy, Pandas, Keras, SciKit-Learn, Hugging Face, CNNs, LangChain, RAG, Matplotlib, Seaborn, TensorBoard, AWS SageMaker
- **Frameworks & Platforms:** Angular, React, NodeJS, Express, Java Spring, Django, Git, Postman, Docker, TeamCity, WinSCP, Putty, Linux, Oracle Fusion Applications, Oracle Integration Cloud, Google Cloud Platform, Amazon Web Services
- **Soft & Other Skills:** Agile Methodology, Front-end, Back-end, Full Stack, Jira, Client BAU Support, PaaS, SaaS, Leadership, Communication, Problem-Solving

ACADEMIC PROJECTS

SPOTIFY CONNECT | *Academic Projects*
- Created an Android application backed with Django REST Framework providing several features for better user interactions & a real-time database i.e., Google Firestore for storing user data.
- Leveraged Spotify SDK & APIs to help users authenticate Spotify profile & extract 7 music features from user playlist to create a vector to be used as input for an Interaction Ranking algorithm for friend recommendations.

CHESS MOVES PREDICTION | *Academic Projects*
- Trained a Convolutional Neural Network to predict the next best move in chess, trained on 1.5 million chessboard states.
- Utilized ReLU and Sigmoid activation functions for utility evaluation, and integrated the Minimax Algorithm with Alpha-Beta Pruning for enhanced decision-making.
- Presented project at 2021 International Conference on Advances in Computing and Communications (ICACC) and Published in IEEE Xplore Library DOI: 10.1109/ICACC-202152719.2021.9708405

CERTIFICATIONS

- **Deep Learning Specialization**: offered by DeepLearning.ai
- **Introduction to TensorFlow; Convolutional Neural Networks in TensorFlow**: offered by DeepLearning.ai
- **Introduction to Data Science in Python; Applied Plotting, Charting & Data Representation in Python**: offered by the University of Michigan, Coursera